

## ABSTRACT

The invention disclosed in this patent document relates to transmembrane receptors, more particularly to a human G protein-coupled receptor for which the endogenous ligand is unknown ("orphan GPCR receptors"), and most particularly to mutated (non-endogenous) 5 versions of the human GPCRs for evidence of constitutive activity.

## 5 versions of the human GPCRs for evidence of constitutive activity.